



# ***USER MANUAL***

## **— 8Leds Wireless Cylinder Spotlight**

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# 1. GENERAL INFORMATION

**INTRODUCTION:** Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The fixture has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. This manual contains important information regarding safety protocol that must be strictly adhered to at all times.

**UNPACKING:** Thank you for purchasing this fixture. Every fixture has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or fixtures are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below.

**CUSTOMER SUPPORT:** We provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.rigelighting.com](http://www.rigelighting.com) for any comments or suggestions. For service related issue please contact us.

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**Working Time:** (BeiJing Time)

Monday to Friday 08:00~12:00 13:30~17:30 18:30~20:30

Saturday 09:00~12:00 13:30~17:00

**Note:** all the rest of China's holidays!

**Warning!** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

**Caution!** There are no user serviceable fixtures inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty.

**Please do not discard the shipping carton in the trash. Please recycle whenever possible.**



**Important:** Damages caused by the disregard of the instructions in this user manual are not subject to warranty.

## 2. PACKING LIST

8Leds Wireless Cylinder Spotlights 1 pcs

Power cable 1 pcs

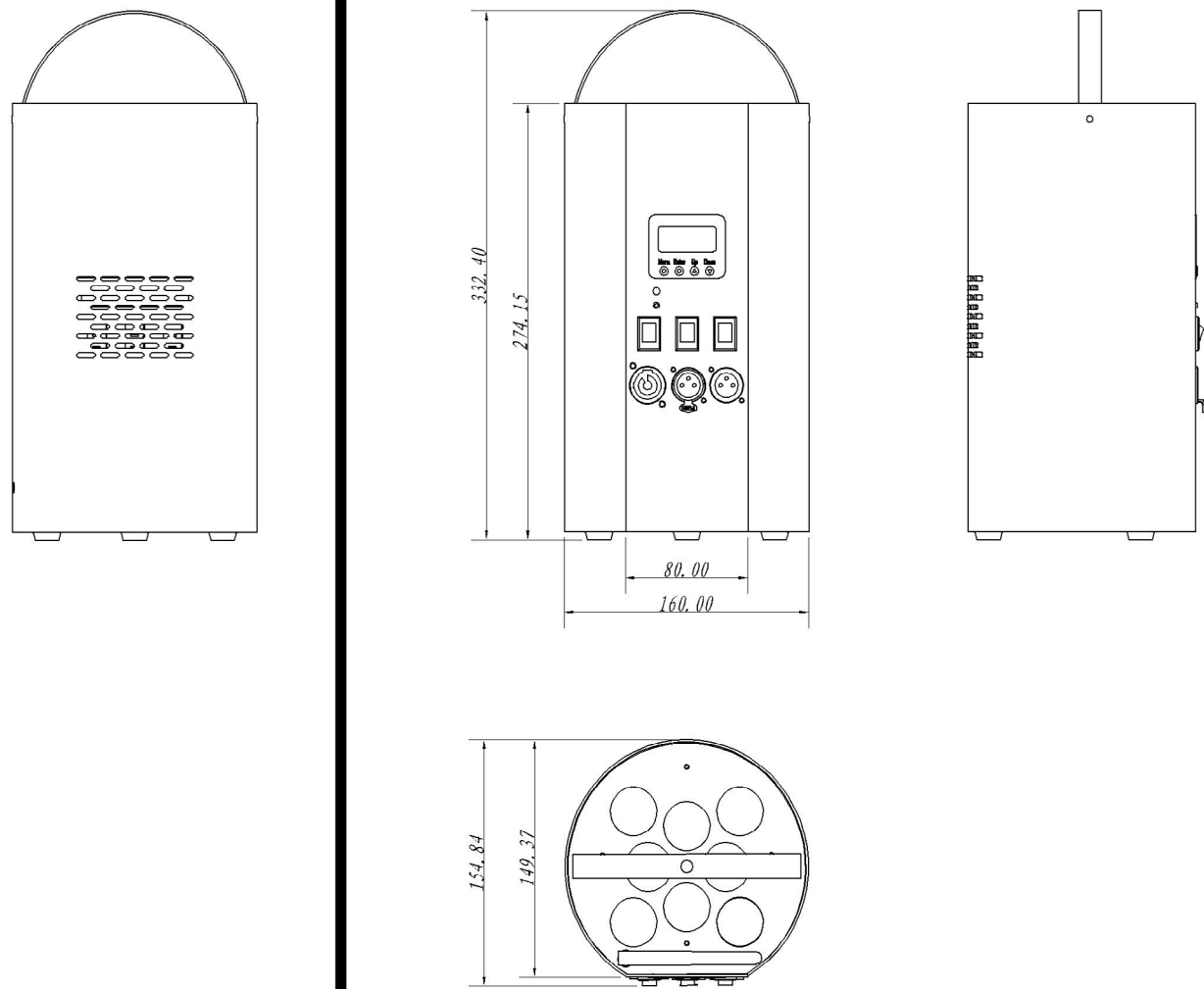
User Manual 1 pcs

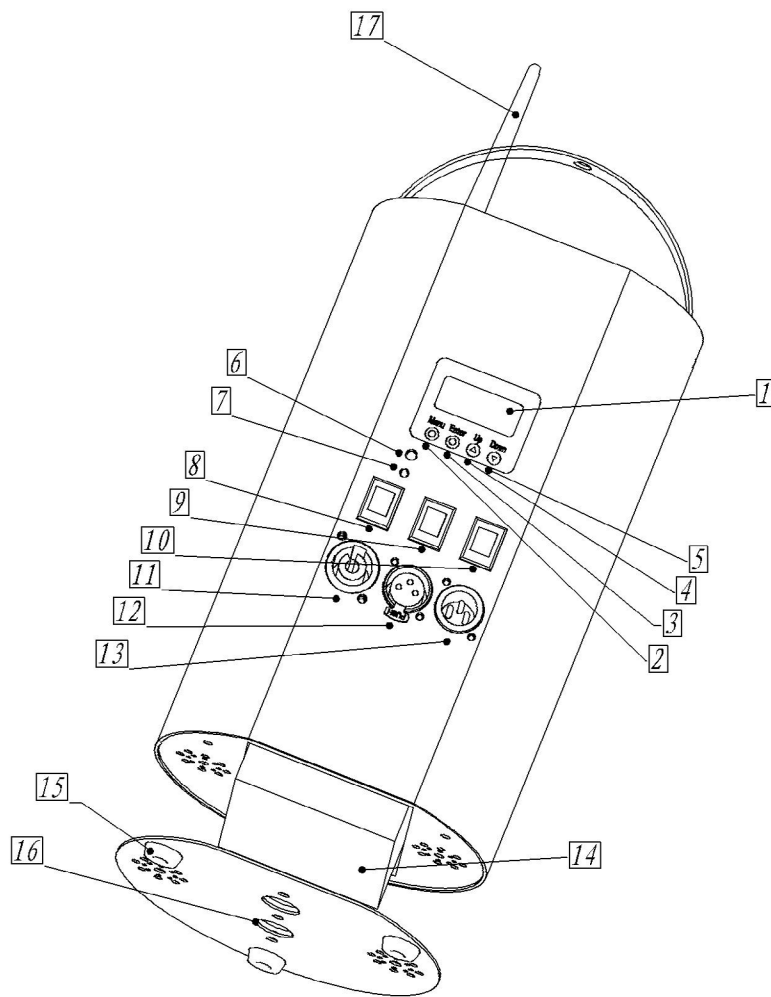
## 3. SAFETY INSTRUCTIONS

- 1) Always be sure that the fan and the air inlets remain clean and are never blocked.
- 2) Be sure to unplug the fixture from the power outlet before performing any service related issues.
- 3) Never look directly into the LED beam. You risk injury to your retina, which may induce blindness.
- 4) For safe operation, follow the Installation guide described in this manual.
- 5) Only qualified and certified personnel should perform installation.
- 6) When mounting this fixture, use only the original rigging parts included with this fixture. Any structural modification will void the original manufactures warranty and may increase the risk of damage and/or personal injury.
- 7) To reduce the risk of fire or shock, do not expose this fixture to rain or moisture.
- 8) Do not attempt to operate this fixture if the power cord has become damaged or frayed.

**Important Notice:** Damages resulting from the disregard of safety and general user instructions found in this user manual are not subject to any warranty claims.

# 4. SCHEMATIC DIAGRAM





<b>ITEM</b>	<b>FUNCTION</b>
1	LCD Display Screen
2	KEY:"MENU"
3	KEY:"ENTER"
4	KEY:"UP"
5	KEY:"DOWN"
6	Wireless indicator
7	ID key(WDMX)
8	Wireless DMX system switch
9	Power switch
10	Fast charging switch
11	Power Input
12	DMX output
13	DMX input
14	Li-on battery pack
15	Plastic machine feet
16	Fast charging terminal
17	Gain antenna(WDMX)

## 5. PRODUCT FEATURES

Wireless DMX (WDMX) System

Built-in lithium-ion battery: 16Ah 12.6V

High power Led 8W /pcs , RGBW 4IN1

Four section effect control

Three control modes: Sound active mode, DMX mode, Stand-alone mode

Unlimited programming effects

Professional color mixing

Soft light effect

Protection class **IP30**

LCD Digital Display

Quick and easy installation

Indoors use

## 6. TECHNICAL SPECIFICATIONS

<b>Main Color</b>	Silver
<b>Main Material</b>	
Main body:Iron , Rubber feet	
<b>Control Mode</b>	
Stand-alone mode, DMX-512 mode, Sound active mode	
<b>DMX Channels</b>	3 /7 /19 standard DMX Channels , 4 base DMX Channels
<b>Gray Level</b>	256 level
<b>LEDs</b>	
High power Led 8W /pcs , RGBW 4IN1	
<b>Service Life</b>	50000 Hrs
<b>Beam angle</b>	□ 45°
<b>Protect Level</b>	IP30
<b>Power adapter</b>	
<b>Input:</b>	AC100-240V 50/60HZ
<b>Output</b>	DC:12.6V 3A
<b>Power Consumption</b>	64 Watts
<b>Built-in Lion</b>	
Storage power	16Ah 12.6V
Service life	400/500 times charge and discharge cycles
Max charging voltage	12.6V
Min discharging voltage	8.25V
Charging time	5 h 20 m (default charger)
Discharge time	≥3 h
<b>Wireless DMX transceiver</b>	
Effective distance	400m (Unobstructed distance)
<b>Fans</b>	DC:5V 0.25A
<b>Working Temperature</b>	
-20℃ ~+40℃	
<b>Weights and Measures</b>	
length x width x heigth(mm)	160x155x274 (Min.)
	160x155x332 (Max.)
<b>Net Weight</b>	4.65kg

## 7. MOUNTING AND INSTALLATION

### ***Cautions:***

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

The fixture is fully operational in one mounting position, set on a flat level surface. Mounting on the other positions, must use the safety mounting bracket.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.



### ***CAUTION!***

*Be sure a qualified electrician performs all electrical connections.*



## 8. UNDERSTANDING DMX

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers as a form of communication between intelligent fixtures and controllers. DMX allows all makes and models of different manufacturers to be linked together and operate from a single controller. This is possible as long as all the fixtures and the controller are DMX compliant. A DMX controller sends the DMX data instructions to the fixture allowing the user to control the different aspects of an intelligent light. DMX data is sent out as serial data that travels from fixture to fixture via data “IN” and data “OUT” XLR terminals located on the fixtures (most controllers will only have output jacks).

**DMX Linking:** To ensure proper DMX data transmission, always use proper DMX cables and a terminator. When using several DMX fixtures try to use the shortest cable path possible. Never split a DMX line with a “Y” style connector. The order in which the fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in the DMX chain, at the beginning, at the end, or anywhere in the middle. The DMX controller knows to send data assigned to address 1 to that fixture no matter where it is located in the DMX chain. The fixture be controlled via DMX-512 protocol.

### **Data Cable (DMX Cable) Requirements (For DMX and Master/Slave Operation):**

Your fixture and your DMX controller require a standard 3-pin or 5-pin XLR connector for data input and data output (the figure on the next page is of a 3-Pin XLR connector). If you are making your own cables, be sure to use two conductor shielded digital DMX cable rated at 120 ohms; this cable is designed for DMX transmission and may be purchased from your Elation dealer or at most professional lighting retailers. Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that a DMX line must be daisy chained and cannot be split, unless using an approved DMX splitter .

Be sure to follow the above figure when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

### **DMX-512 control connection**

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the fixture. You can chain multiple fixture together through serial linking. The cable that should be used is two conductor, shielded DMX cable with XLR input and output connectors. Always be sure daisy chain your in and out data connections, never split or “Y” your DMX connections unless you are using an approved DMX splitter

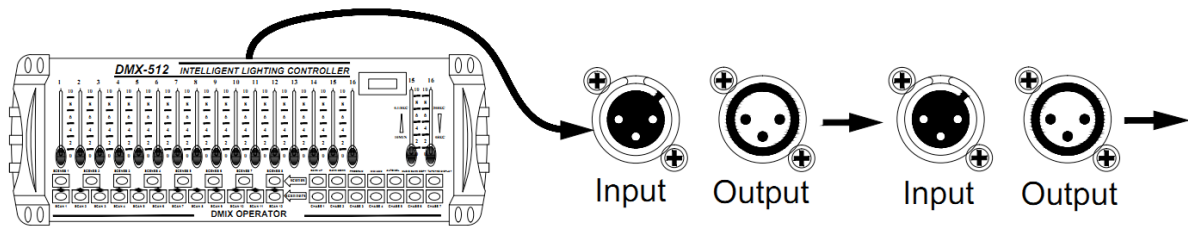
### **Fixture DMX addressing**

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by setting the correct DMX address on the digital display located on the base of the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different address for each individual fixture. Be advised that setting all your fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of control channels (DMX channels) of each fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the fixture, which is a 4 channel fixture, you should set the starting DMX address of the first unit to 1, the second unit to 5 ( $4 + 1$ ), the third unit to 9 ( $4 + 5$ ), and so on.



## 9. CONTROL BOARD



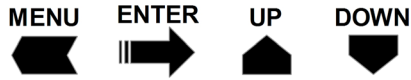
## KEY instruction

**"MENU"/"Mode":** return the upper menu

**"UP"/"+":** add value or choose the previous value

**"DOWN"/"-":** decrease value or choose the next value

**"ENTER":** Enter the sub menu or saved the setting.



Channel Label	Value	Status	Range
Battery	00%		100%
DMX Addr	001		512
DMX Mode	00		01
Red	000		255
Green	000		255
Blue	000		255
White	000		255
Flash	00		12
Fade	00		12
Col Jump	00		12
AutoMode	00		12
AutoSpeed	00		12
Sound-1	on		
Sound-2	on		

## 9.1 Battery

This function will show the remaining battery.

## 9.2 DMX Addr

This function is used to set or adjust the fixture's starting DMX address. Every device controlled by DMX has to have a unique starting address. The addressing feature is what allows DMX to function properly. The DMX address of a fixture is what allows it to communicate with a controller properly. The DMX addressing also allows the fixture to ignore any DMX information coming from the controller that is not meant specifically for the fixture. Because each fixture is connected in a daisy-chain fashion it is imperative to assign a proper and unique starting DMX address to each and every fixture. The DMX address is non-destructive and will remain in the fixture's memory even when the power to the unit is switched off. Memory is backed-up and retain by an internal power source .

## 9.3 DMX Mode

This mode include two DMX channel modes, **00** and **01**.

**00:** standard DMX channel mode (3 / 7 /19 DMX channel)

**01:** Base DMX channel mode (4 DMX channel)

## 9.4 Manual Mode

This function is used to set the mixed color by manua. Including of

**Red,Green,Blue,White** four parts.**Automatic Mode**

This function including **Flash,Fade,Col jump, AutoMode**,five modes,which allows the internal programs to run in either stand-alone or master-salve mode. In **AutoSped** mode, you can adjust the speed of the **AutoMode**.

## 9.5 Sound Control Mode

This function allows you to control the fixture via the sound with two different effect.

## 9.6 Synchronization mode (Master-slave mode)

In "Master" mode the fixture will send DMX data to other fixtures connect via the DMX chain. Please follow this way to set Master-slave mode:

### ***Synchronous operation setting (no console)***

**Host:** in the **Flash,Fade,Col jump, AutoMode,Sound-1,Sound-2** mode.

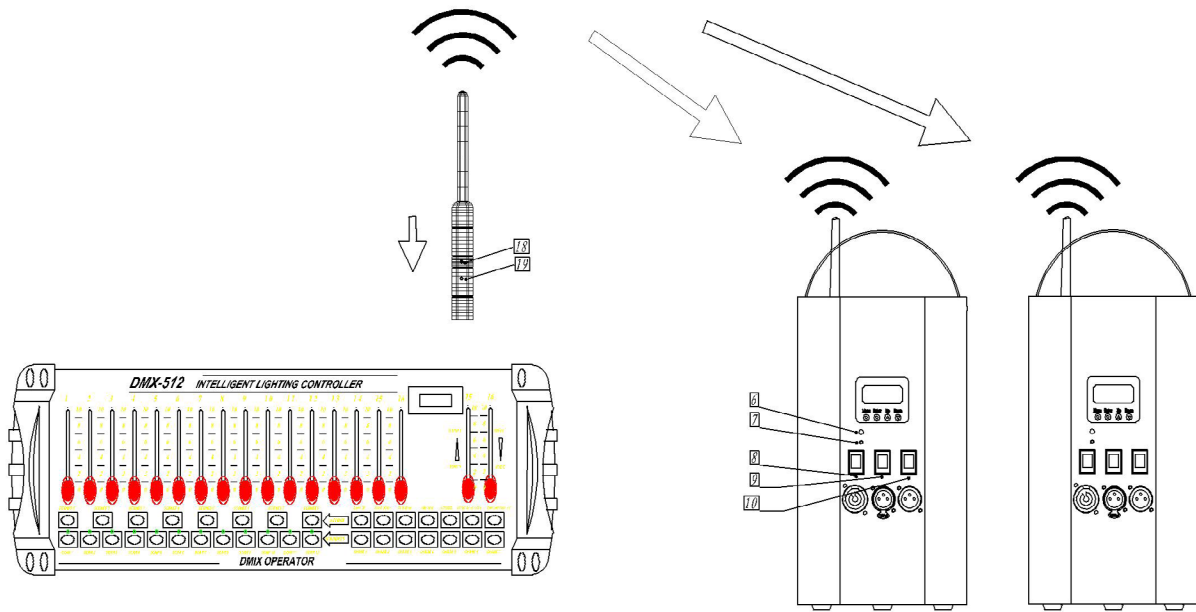
**Slave:** address setting is **"XXX"**. the same as the **Host**.

### ***Synchronous operation set (console mode)***

**Host:** **DMX Mode / DMX Addr** mode

**Slave:** address setting is **"XXX"**. the same as the **Host**.

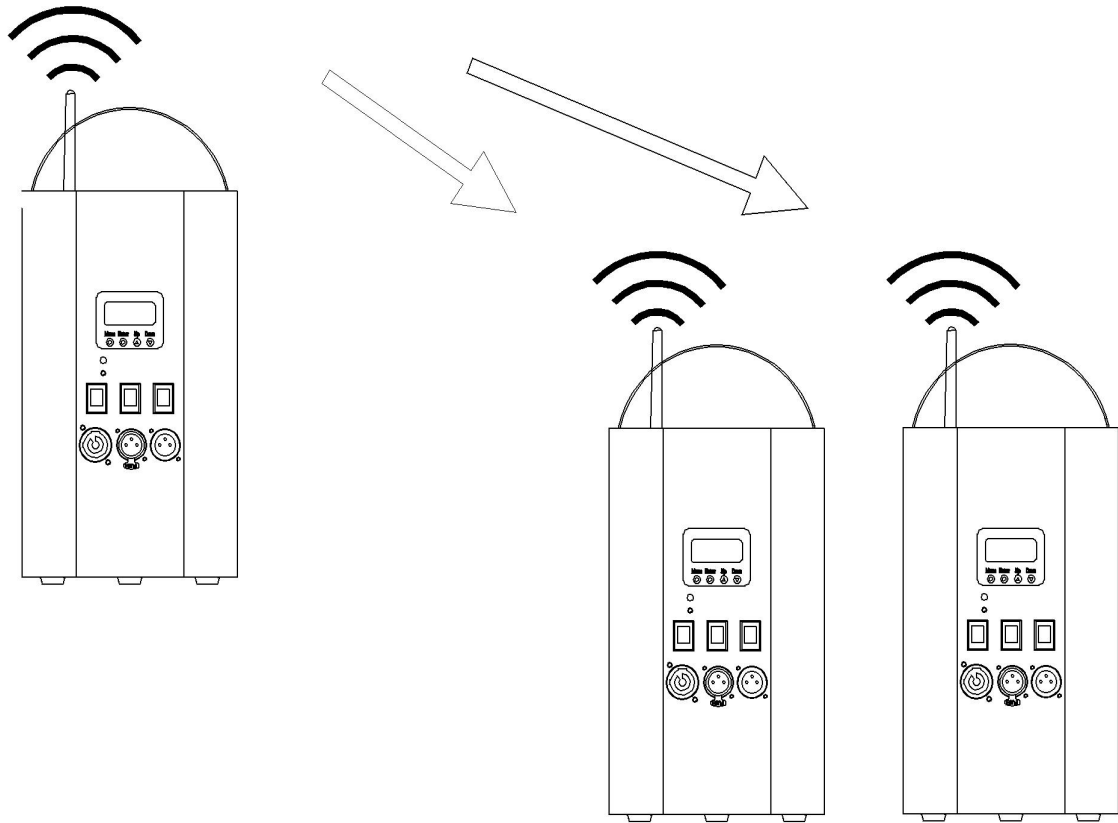
## 10. WIRELESS DMX (WDMX) SYSTEM



This fixture is equipped with an WDMX Wireless DMX Receiver built-in.  
Please follow the below step to set the WDMX Wireless DMX system:

1. Plug in the transceiver into the DMX console, and turn on the transceiver adapter and the DMX console.
2. Turn the power switch 9 and wireless DMX transceiver switches 8. Built-in transceiver will automatically search for nearby wireless DMX signal.
3. Press the transceiver control key 7 or 19, until the LED indicator 6 and 18 in the same color, the console will automatically establish communications with the light, and then you can operate the console to control the fixture.

Description: The different colors represent different communication ID, this setting will store in the fixture memory, then you can use this setting next time after shutdown. When wireless control is invalid or dead, restart the console or disconnect the transceiver power



Conducted using a wireless DMX fixture master-slave operation: As shown  
Turn the power switch 9 and the wireless DMX transceiver switch 8 , transceiver built-in  
fixture will automatically search for nearby wireless DMX signal. Matched master and slave  
communication ID follow the above operations.

Fault Description: When wireless DMX Transceiver match is successful, the LED indicator  
light will flash, if slowly flashing or controlling insensitive, disconnect the power supply or  
the DMX console, then restart.

# 11. DMX CHANNEL TRAITS

<b>00</b> (DMX Mode)		<b>CHANNEL</b>	<b>Value</b>	<b>Function</b>
	<b>CH1=0</b>	CH1	0	Autorun mode (open)
		CH2	0-225	Fifteen kind of autorun effect
			226-255	Two kind of sound control(226-240 & 241-255)
		CH3	0--255	Speed of autorun
	<b>CH1=1-128</b>	CH1	1-128	Overall mode (open)
		CH2	0-255	Dimmer for all color
		CH3	0-255	All red dimmer
		CH4	0-255	All green dimmer
		CH5	0-255	All blue dimmer
		CH6	0-255	All white dimmer
		CH7	0	Strobe off
			1-255	Strobe effect (slow to fast)
	<b>CH1=129-255</b>	CH1	129-255	Four section mode (open)
		CH2	0-255	Total dimmer(0-100%)
		CH3	0-255	Red dimmer(0-100%)
		CH4	0-255	Green dimmer(0-100%)
		CH5	0-255	Blue dimmer(0-100%)
		CH6	0-255	White dimmer(0-100%)
		CH7	0-255	Red dimmer(0-100%)
		CH8	0-255	Green dimmer(0-100%)
		CH9	0-255	Blue dimmer(0-100%)
		CH10	0-255	White dimmer(0-100%)
		CH11	0-255	Red dimmer(0-100%)
		CH12	0-255	Green dimmer(0-100%)
		CH13	0-255	Blue dimmer(0-100%)
		CH14	0-255	White dimmer(0-100%)
		CH15	0-255	Red dimmer(0-100%)
		CH16	0-255	Green dimmer(0-100%)
		CH17	0-255	Blue dimmer(0-100%)
		CH18	0-255	White dimmer(0-100%)
		CH19	0	Strobe off
			1-255	Strobe effect
<b>01</b> (DMX Mode)		CH1	0-255	Red dimmer(0-100%)
		CH2	0-255	Green dimmer(0-100%)
		CH3	0-255	Blue dimmer(0-100%)
		CH4	0-255	White dimmer(0-100%)

## **12. MAINTENANCE AND CLEANING**

The following points have to be considered during the inspection:

1. All screws for installing the devices or fixturets of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing .color lenses, fixations and installation spots.
3. Mechanically moved fixturets must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhering by a skilled installer and any safety problems have to be removed.

In order to make the fixture in good condition and extend the life time .we suggest a regular cleaning to the fixture

1. Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2. A detailed electric check by approved electrical engineer each three months, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device please use a moist , lint-free cloth .  
Never use alcohol or solvents

There are no serviceable fixturets inside the device please refer to the instructions under “installation instructions”.



### 13. 1-YEAR LIMITED WARRANTY

- A. Hereby warrants, to the original purchaser, our products to be free of manufacturing defects in material and workmanship for a period of one years, (365 days) from the date of purchase.
- B. For warranty service, send the product only to the our factory. All shipping charges must be pre-paid. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, we shall have no liability what so ever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the product is modified in any manner which we concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the our factory unless prior written authorization was issued to purchaser by us; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, we will replace defective fixturets at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of us under this warranty shall be limited to the repair of the product, or replacement thereof, including fixturets, at the sole discretion of us.
- E. Our company reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by us in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall we be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

